

802271

SpecimensSent to P. Batholome
March 77Granisle,
Babine Lake
93L/116MaggieHole Depth

M6 - 387 fBet

M17 - 511

M19 - 434

M19 - 443

M27 - 1970

M31 - 1507

M33 - 1015

(see Jambor, 1976, for location and rock types)

Granisle
Hole Depth

G71-4 - 293 feet

G71-9 - 215

70-25-407

70-26-1534

70-39-737

(see Carson and Jambor and map[^]
for location and rock types) enclosedGranisle1 - central part of pit - typical ^{BFP (biotite, feldspar porphyry)} high grade bornite, chalcocopyrite ore
- typical quartz vein stockwork with biotite, apatite,
magnetite, bornite and chalcocopyrite - biotite alteration

2 - pit - typical BFP

42 - West side MacDonald Island (see map) - typical peripheral pyrite, sphalerite,
galena, chalcocopyrite(?), quartz, carbonate veinKQ-70-53A - Bench #8 ~ 100' SE of D.D.H. 70-26 (see map) - typical intermineral porphyry dyke
(~~KQ-70-54*~~) (see Figure 2 Kirkham, 1971 same spec.) cutting early, fine-grained quartz diorite(?) porph.
- typical ~~veining~~ veining and alterationKQ-70-54* - same area as KQ-70-53A - similar intermineral porphyry dyke as
KQ-70-53A but cutting different porphyryKQ-70-55 - same area as KQ-70-53A - typical intermineral intrusive breccia
(similar to Figures 6 & 7, Kirkham, 1971, with an igneous (BFP) matrix
but not the same specimens) - note vein fragments and partly assimilated(?)
chalcocopyrite blebs - some pale areas could
be partly assimilated cataclastic matrix

KQ-70-167B - SW end of Pit road to bench #9 near D.D.H. 70-B - typical intermineral breccia
(same specimen Figure 8, Kirkham, 1971) with comminuted cataclastic
matrix

#

KQ-70-199 - Bench #8 - precise location uncertain - intermineral breccia
(same specimen as Figure 6, Kirkham, 1971) with mixed, ^{partly assimilated} cataclastic
and igneous matrix - most
of this ^{matrix in this specimen} ~~specimen~~ is probably
partly assimilated cataclastic
debris

Highland Valley

KQ-73-54 - Hornex - center of pit - typical intense alteration (muscovite)
with bornite, chalcopyrite, molybdenite

KQ-73-55 - Valley Copper - sample dumps - typical altered (muscovite envelopes)
Bethsaida Granodiorite with bn, ccp etc.

KQ-73-59 - Bethlehem Copper - North side Jersey Pit - typical ^{partly} intrusive breccia
with many porphyry fragments - bn and ccp

Brenda

KQ-73-46A - center of pit - typical sparse fracture ore
ccp, py, moly

Island Copper

- KQ-73-15 - base of pit east side - typical intensely altered (biotite etc.)^{and fractured} andesite tuff-breccia with ccp and, py and moly (typical^{ore} host rock)
- KQ-73-16 - southwest side of pit - typical barren (pyrite veinlets), highly altered (sericitic, silicified(?)) quartz, feldspar porphyry

Endako

- KQ-75-115 - lowest bench, west ~~end~~ pit - typical altered (k-spar) quartz porphyry @ (rhyolite) dyke (30-40 feet wide) cut by typical "hairline" pyrite and quartz, molybdenite, magnetite veinlets
- KQ-75-117 - upper bench south side of east pit - typical altered (k-spar) Endako quartz monzonite cut by hairline pyrite and quartz, moly, magnetite veinlets
- KQ-75-114 - lowest bench, west pit - typical altered (k-spar) Endako quartz monzonite cut by hairline pyrite and quartz, moly, magnetite veinlets

Copper Mountain - Ingerbelle (typical alkaline porphyry system)

* * * from page 4 (insert) KQ-73-30 & 32

- KQ-73-36 - base of #2 pit Copper Mountain - highly altered Nicola volcanics(?) - albite-epidote "pseudo-diorite" texture - typical pegmatitic biotite - k-spar veinlets with minor py, ccp, fluorite - k-spar alteration halos
- KQ-73-38 - base of #1 pit Copper Mountain - typical highly altered Nicola tuff-breccia with high grade ccp mineralization (minor bn) (albite, epidote, scapolite ?? alteration)
- KQ-73-39 - base of #7 pit Copper Mountain - typical highly altered Nicola volcanics with high grade ccp-bn mineralization

KQ-73-41 - old rail line Copper Mountain property - typical fine-grained border phase of Copper Mountain stock about 200 feet (?) S of contact

↑ Insert page 3

KQ-73-30 - NE corner Ingerbelle Pit - small copper zone
- typical K-spar - scapolite (?) alteration (skarn)

KQ-73-32 - 2nd bench S side Ingerbelle Pit - typical altered Nicola volcanics with cup + py